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Part Number: [1715651002](#)
Status: **Active**
Overview: zQSFP+® Interconnect System
Description: zQuad Small Form Factor Pluggable Plus (zQSFP+) Stacked Integrated 2-by-1 Connector and Cage with Elastomeric Gasket, Gold (Au) Over Nickel Plated, Up/Down Light Pipe

Documents:

Drawing (PDF)	Packaging Specification PK-171565-0001-001 (PDF)
3D Model	Test Summary TS-171565-0001-001 (PDF)
Product Specification PS-171565-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171565-0002-001 (PDF)	Product Literature (PDF)

Agency Certification

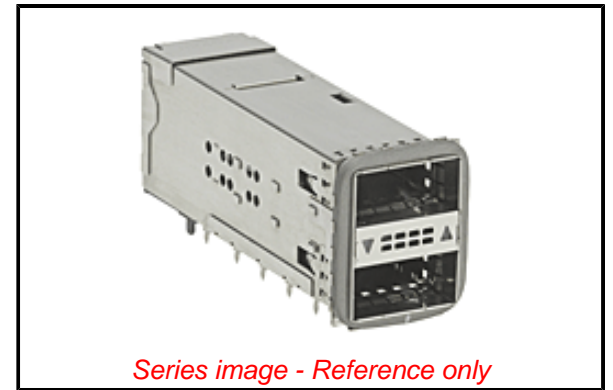
UL E29179

General

Product Family	I/O Connectors
Series	171565
Application	Board-to-Board, Module-to-Board, Wire-to-Board
Component Type	Receptacle
Electrical Model	Yes
Overview	zQSFP+® Interconnect System
Product Literature Order No	987650-5391
Product Name	zQSFP Plus, zQSFP+
Type	N/A
UPC	887191263656

Physical

Circuits (Loaded)	76
Circuits (maximum)	76
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	35.831/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	1.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Panel Mount	N/A
Pitch - Mating Interface	0.80mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[171565](#) Series

Mates With

[74757](#) , [111040](#) QSFP+ Cable Assemblies, [74763](#) QSFP+ Loopback Adapter, [111114](#) zQSFP+ Cable

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
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zQSFP+ Multi-Port Connector Tooling	622025240
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Multi-Port Connector Extraction Tool	622030390
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Insertion Tool for zQuad Small Form-factor Pluggable Plus (zQSFP+) Cage	622030630
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Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	Yes
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data

Lead-free Process Capability	N/A
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Material Info**Reference - Drawing Numbers**

Application Specification	AS-171565-0002-001
Electrical Model Document	EE-171081-3000
Packaging Specification	PK-171565-0001-001
Product Specification	PS-171565-0001-001
S-Parameter Model	SP-171081-3000
Sales Drawing	SD-171565-2000-001
Signal Integrity Report	SI-171565-0001
Symbol/Footprint Data	SYM-171565-1001
Test Summary	TS-171565-0001-001

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